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Ø 010/016

Claim Amendments

What is claimed:

1.-13. (canceled)

14. (amended)

An electric motor comprising:

a first body;

a plurality of magnetic components secured to the first body and located in at least first and second circular arrangements having a common axis and magnetic field lines forming across a first gap from each magnetic component of the first arrangement to each magnetic component of the second arrangement:

a board in the first gap being of a majority of nonmagnetic solid material, a majority of the magnetic field lines passing through the substantially nonmagnetic solid material across the first gap;

at least one electrical circuit element located on the board in the first gap, the magnetic field lines passing through the electrical circuit element; and at least a first bearing securing the board to the first body to allow the electrical circuit element to rotate along the axis of the bearing relative to the first body, the electrical circuit element to rotate along the axis of the bearing relative to the first body, the electrical circuit element having at least first and second electrical paths, the first path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes rotation thereof about the

common axis, the second path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes rotation thereof about the common axis.

- The electric motor of claim 14 wherein the the board and the 15. (amended) electrical circuit element form a printed circuit board.
- The electric motor of claim 14 wherein the magnetic components are 16. permanent magnets.
- 17. The electric motor of claim 14 wherein the magnetic components are electromagnets.
- 18.(canceled)
- An electric motor comprising: 19. (amended)
- a first body;
- a plurality of magnetic components secured to the first body and located in first and second rows substantially parallel to each other and magnetic field lines forming across a first gap from each magnetic component of the first row to each magnetic component of the second row, a board in the first gap being of a majority of nonmagnetic solid material, a majority of the magnetic field lines passing through the substantially nonmagnetic solid material across the first gap;

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at least one electrical circuit element located on the board in the first gap, the magnetic field lines passing through the electrical circuit element; and at least a first bearing securing the board to the first body to allow the electrical circuit element to move along an axis relative to the first body, the electrical circuit element having at least first and second electrical paths, the first path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes translation thereof along the common axis, the second path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes translation thereof along the common axis.

- 20. (smended) The electric motor of claim 19 wherein the the board and the electrical circuit element form a printed circuit board.
- 21. The electric motor of claim 19 wherein the magnetic components are permanent magnets.
- 22. The electric motor of claim 19 wherein the magnetic components are electromagnets.

23.(canceled)

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	Claim Amendments	
	What is deimed:	
	113. (canceled)	Detection new
١	14. (amerided) An electric motor comprising:	
1	a first body;	
	a plurality of magnetic components secured to the first body and located in at	Descripti two
1	least first and second circular arrangements baving a common exts and magnetic	Deleted:
	field lives forming across a first gap from each magnetic component of the first	Deletishi.
1	arrangement to each magnetic component of the second arrangement.	Developed: so may of the board
1	a board in the first gap being of a majority of nonmagnetic solid meterial. a	Deletesi: Jurying the
	majority of the magnetic field lines passing through the substantially	Bolebock substantially
	noninagnetic solid material across the first gap;	Distance such
I	at least one electrical circuit element located on the board in the first gap, the	
	magnetic field three passing through the electrical circuit element; and	Delecad: being pierced by the magnetic field lines and having two from submantially parallel to each other and perpendicular to the win
1	at least a first bearing according the board to the first body to allow the electrical	tresect; one
Ì		Devetors alectrical considerations
١	circuit element to rotate along the axis of the bearing relative to the first body, the	Deletoti j inii
Į	مم السماعات أن المراجع والمراجع المراجع	Delutat 1
1	electrical circuit element having at least first and second electrical paths, the first	Delichack (wo
	path having a section located in the gap and extending transverse to the	Designed, of each electrical country electrons
	marrant Sold lines so that a covered therein covere relation thereof about the	

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common axis, the second path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes rotation thereof about the common exis. 15. (amended) The electric motor of claim 14 wherein the the board and the electrical circuit element form a printed circuit board. 16. The electric motor of claim 14 wherein the magnetic components are permanent magnets. 17. The electric motor of claim 14 wherein the magnetic components are electromagnets. Deleteds (new) 18 (canceled) 19. (amended) An electric motor comprising Delotad: The electric mo a first body; ction device.T a phirality of magnetic components secured to the first body and located in first and second rows substantially parallel to each other and magnetic field lines forming across a first gap from each magnetic component of the first row to each magnetic component of the second row, a board in the first gap being of a majority of nonmagnetic solid material, a majority of the magnetic field lines passing through the substantially nonmagnetic solid material across the first gap; at least one electrical circuit element located on the board in the first gap, the expetic field th magnetic field lines passing through the electrical circuit element; and

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at least a first bearing securing the board to the first body to allow the electrical	Deletisch electrical etzesk electron		
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circuit element to move along an axis relative to the first body, the electrical			
,	Deletad: 1		
circuit element having at least first and second electrical paths, the first path	Emletisti two		
	DESCRIPTION OF each electrical classical class		
having a section located in the gap and extending transverse to the magnetic			
A CONTRACTOR OF THE CONTRACTOR	Desetod: rousian		
field lines so that a current therein causes translation thereof along the common	Children aluga		
axis, the second path having a section located in the gap and extending			
A second	Defected: rotation		
transverse to the magnetic field lines so that a current therein causes translation			
	Deleted: about		
thereof along the common axis.			
	Deleted: new		
20. (amended) The electric motor of claim 19 wherein the the board and the			
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electrical circuit element form a printed circuit board.			
المراجع	Deleted: (new)		
21. The electric motor of claim 19 wherein the magnetic components are			
permanent magnets.			
90 min diamenta a 2.2 mm 3 a m 3 a m	Deleted: (new)		
22. The electric motor of claim 19 wherein the magnetic components are			
Alamana anam			
electromagnets.			
79 (consoled)	Deleted: (new)		
Z3 (canceled)	Defetions . The electric masses of dates 22 wherein the magnetic .		
	temperants are secured to the East		
	body, the first body being senared so a farce reflection device. I		